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January 15, 2007

Ms. Lisa R. Perenchio, Chief  
United States Environmental Protection Agency  
77 West Jackson Blvd (WU-16J)  
Chicago, Illinois 60604-3590  
ATTN: UIC Branch, Direct Implementation

Re: UIC Permits IN-091-11-0001 and IN-091-11-0002

Dear Ms. Perenchio:

The following Monthly Report for December 2006 is being submitted in compliance with the referenced Permits Part II(D)(1)(a) thru (f).

The reporting data are as follows:

- (a) The analysis of the injection fluid for the month is submitted as Attachment I. Samples and measurements taken for monitoring conform to the requirements of Part I (E) (10) and Part II (C) (3) of the Permits.
- (b) A tabulation of maximum injection pressure, daily maximum and minimum annulus tank levels, and minimum differential between simultaneous measurements of injection pressure and annulus pressure for each day of the month for Well #1 and Well #2 are shown in Attachments II and III respectively.
- (c) Daily maximum injection pressure and daily average flow rate are shown for Well #1 and Well #2 in Attachment IV. Daily maximum and minimum annulus tank levels for Well #1 and Well #2 are shown in Attachment V.
- (d) A statement of the total volumes of the fluid injected to date, in the current calendar year, and the current month:

Cumulative volume injected

Well #1	1,257,006,959	Gallons
Well #2	1,249,188,118	Gallons

Volume injected year-to-date

Well #1	78,522,979	Gallons
Well #2	102,207,544	Gallons

Volume injected this month

Well #1	7,770,149	Gallons
Well #2	7,616,766	Gallons

- (e) A tabulation of the dates and amounts of water added to or removed from the annulus systems during the month, and the cumulative additions and cumulative subtractions for the current month and each of the past 13 months are included in Attachment VI for Well #1 and Well #2.

(f) Injection operating summary of compliance, alarms and scheduled maintenance is listed below.

Well #1: The following non-compliance event(s) occurred:

None occurred.

Well #1: The following alarm shutdown(s) and scheduled maintenance occurred:

None occurred.

Well #2: The following non-compliance event(s) occurred:

None occurred.

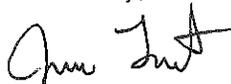
Well #2: The following alarm shutdown(s) and scheduled maintenance occurred:

None occurred.

Please note that any events in section (f) above are referenced in the notes in Attachments II and III.

I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage this system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. Please contact me at Criterion as necessary with any questions regarding this data or report.

Sincerely,



Jesse Trent  
HSSE Advisor  
Criterion Catalysts & Technologies L.P.

WATCON, INC  
 2215 SOUTH MAIN  
 P. O. BOX 2829  
 SOUTH BEND, IN 46680  
 (574) 287-3397, (574) 287-2427 fax

WEEKLY DEEPWELL ANALYSIS  
 MONTH-END SUMMARY

Client: Orion Catalyst  
 1800 East US HWY 12  
 Michigan City, IN 46360

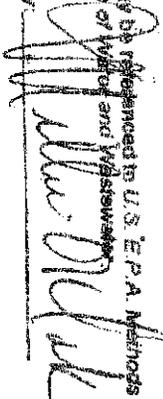
Attn: Mr. Frank Plemat

WEEK ENDING	UNITS	12/4/2006	12/11/2006	12/18/2006	12/26/2006	AVERAGE	METHOD
pH @ 26.7 C	S.U.	7.31	7.08	8.94	7.23	7.14	180.1
Specific Gravity	g/mL	1.022	1.005	1.001	1.018	1.012	ASTM
Total Dissolved Solids	mg/L	37,092	19,369	13,668	33,592	25,928	180.1
Total Suspended Solids	mg/L	1.8	1.6	1.2	1.6	1.6	180.2
Sodium Oxide (Na2O)	mg/L	13,635	5,859	4,266	7,277	7,759	200.7
Aluminum Oxide (Al2O3)	mg/L	0.10	0.28	0.30	0.45	0.28	200.7
Silica (SiO2)	mg/L	0.46	2.83	0.48	2.59	3.09	200.7
Sulfate (SO4)	mg/L	28,874	13,583	8,363	22,670	18,818	A1000

All tests are run at ambient temperature.

Methods may be referenced to U.S. E.P.A. Methods for the Chemical Analysis of Water and Wastes, and Standard Methods for the Examination of Water and Wastewater.

Approved by:



Date:

1-10-07

**ATTACHMENT II**  
**DEEPPWELL MONTHLY REPORT DATA - Part II(D)(1)(b)**  
**WELL #1**  
**December, 2006**

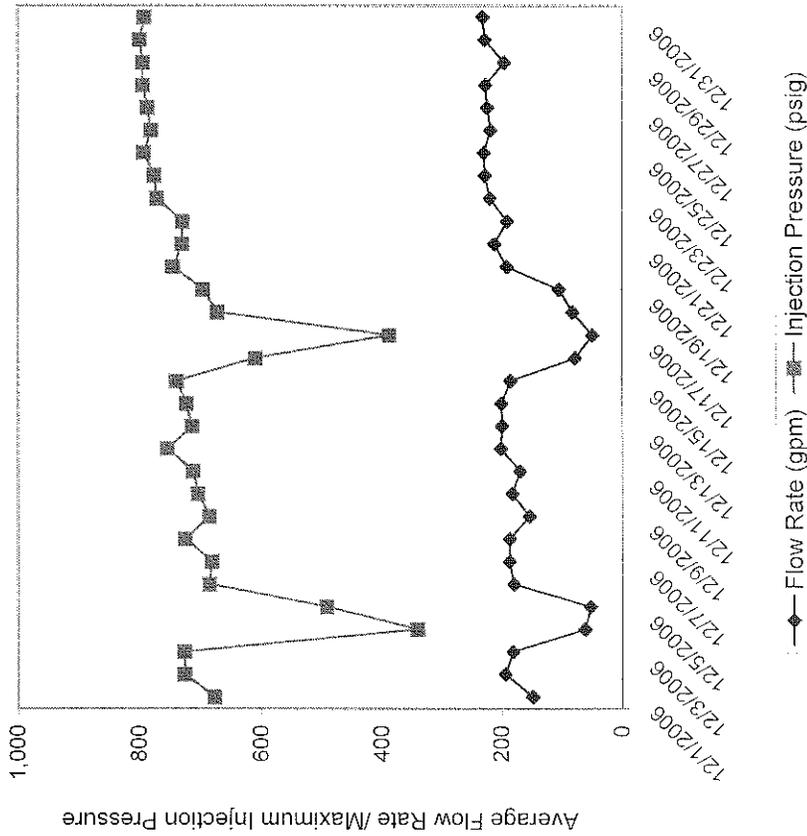
Date	Flow Rate (gpm)			Injection Pressure (psig)			Annulus Pressure (psig)			Annulus Level (%)			Total Flow Injected	Min. Tube/Annulus Differential Pressure	Temp.	Note
	Avg.	Max	Min.	Avg.	Max	Min.	Avg.	Max	Min.	Avg.	Max	Min.				
1-Dec	148	241	0	508	677	101	940	1,017	890	45	51	41	213,728	299	101	
2-Dec	195	255	0	594	726	96	970	1,035	832	52	55	46	280,122	183	110	
3-Dec	181	253	19	602	726	197	959	1,034	897	53	56	50	261,348	218	112	
4-Dec	62	78	0	302	340	108	826	958	690	50	55	41	89,123	360	106	
5-Dec	53	144	0	230	491	88	670	690	652	41	42	39	75,650	170	90	
6-Dec	180	218	0	602	685	277	870	937	669	59	64	42	258,991	196	106	
7-Dec	187	202	169	658	681	629	949	1,028	842	62	65	60	269,729	205	108	
8-Dec	186	233	171	669	725	643	967	989	940	62	63	61	268,536	226	109	
9-Dec	154	203	33	571	685	235	912	953	875	63	65	61	221,524	221	109	
10-Dec	182	215	27	632	704	302	933	1,040	848	63	66	61	262,501	188	109	
11-Dec	169	215	144	643	712	603	994	1,039	950	63	64	61	243,981	267	110	
12-Dec	202	248	38	684	754	325	992	1,026	943	63	65	62	290,533	238	111	
13-Dec	200	214	176	701	714	672	992	1,064	923	63	65	62	287,415	209	110	
14-Dec	201	215	188	709	723	695	991	1,047	959	63	65	62	289,428	247	110	
15-Dec	186	232	0	671	739	158	975	1,073	899	63	66	60	267,308	242	109	
16-Dec	78	148	0	334	610	94	903	987	818	59	63	55	111,973	294	105	
17-Dec	49	85	19	236	387	91	791	830	769	54	58	53	70,768	408	96	
18-Dec	82	232	19	329	672	94	834	1,024	772	60	66	56	118,010	235	107	
19-Dec	105	237	0	360	695	60	909	1,037	808	60	67	54	151,214	194	106	
20-Dec	191	253	33	629	745	244	991	1,034	893	65	68	55	275,417	286	114	
21-Dec	212	220	170	709	730	656	1,029	1,128	947	68	69	66	305,703	241	117	
22-Dec	191	219	127	694	729	566	1,008	1,110	950	68	70	66	274,945	230	116	
23-Dec	220	242	129	734	771	567	999	1,088	943	68	70	66	316,098	210	116	
24-Dec	228	243	207	765	775	737	1,008	1,121	951	69	71	67	328,229	181	117	
25-Dec	229	243	0	776	792	330	1,034	1,110	984	70	72	68	330,477	210	118	
26-Dec	219	235	182	757	780	710	1,025	1,157	950	68	70	64	314,941	194	116	
27-Dec	224	238	0	757	786	224	1,048	1,137	970	69	70	66	322,526	204	118	
28-Dec	227	243	38	773	794	361	1,032	1,152	982	69	71	67	327,051	194	117	
29-Dec	196	240	0	700	794	261	1,039	1,131	833	66	71	57	281,648	165	115	
30-Dec	228	240	115	770	799	561	1,051	1,116	960	70	72	66	328,192	162	119	
31-Dec	231	234	228	787	791	782	1,057	1,176	994	69	71	67	333,039	205	118	
Summary	174	255	0	609	799	60	958	1,176	652	62	72	39	7,770,149	162	110	

**ATTACHMENT III**  
**DEEPWELL MONTHLY REPORT DATA - Part II(D)(1)(b)**  
**WELL #2**  
**December, 2006**

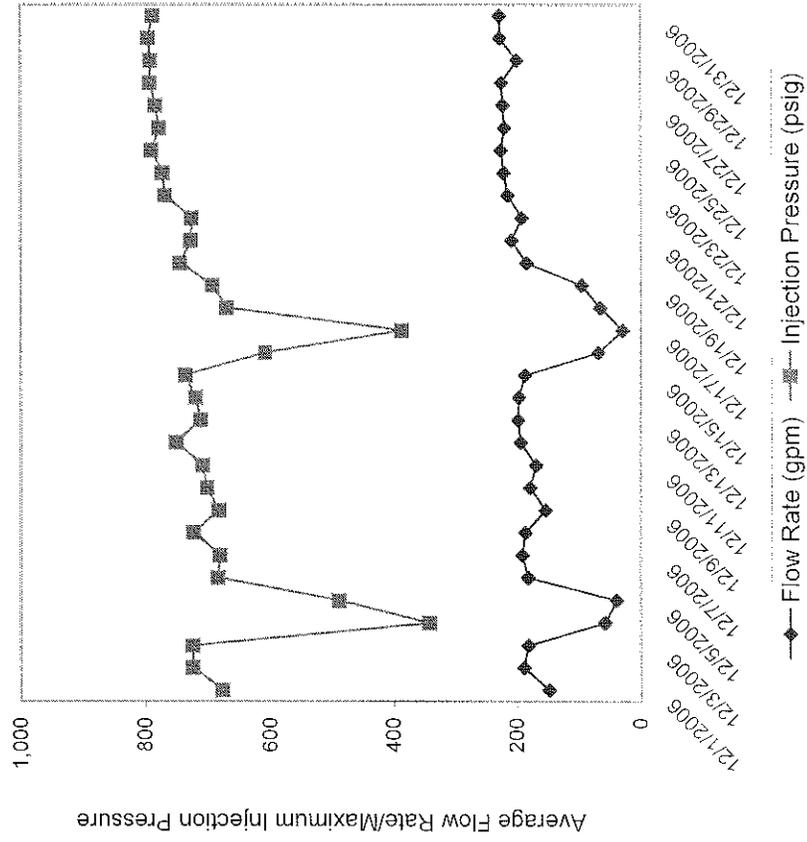
Date	Flow Rate (gpm)			Injection Pressure (psig)			Annulus Pressure (psig)			Annulus Level (%)			Total Flow Injected	Min. Tube/Annulus Differential Pressure	Temp.	Note
	Avg.	Max	Min.	Avg.	Max	Min.	Avg.	Max	Min.	Avg.	Max	Min.				
1-Dec	149	234	0	507	676	104	955	1,040	917	43	48	40	213,859	282	100	
2-Dec	189	245	0	593	724	100	1,033	1,071	960	48	50	44	272,064	307	109	
3-Dec	182	242	19	602	724	201	1,039	1,085	1,001	49	52	47	261,943	301	111	
4-Dec	58	72	0	305	342	112	987	1,073	874	46	51	38	83,922	541	105	
5-Dec	39	138	0	232	489	92	864	878	852	37	38	36	56,681	371	87	
6-Dec	182	216	0	601	684	277	976	1,013	878	45	48	38	262,190	318	105	
7-Dec	191	205	173	658	680	629	998	1,010	990	47	48	47	275,532	312	107	
8-Dec	187	224	172	669	723	643	1,005	1,010	995	48	48	47	268,958	284	108	
9-Dec	154	205	38	571	683	240	996	1,031	967	47	49	45	221,973	306	108	
10-Dec	179	212	19	630	701	302	1,006	1,035	974	47	49	46	258,421	310	108	
11-Dec	170	210	147	641	709	601	1,027	1,035	1,021	48	49	48	244,117	321	109	
12-Dec	195	229	33	682	751	326	1,037	1,048	1,017	49	49	47	280,219	285	110	
13-Dec	198	212	177	699	712	669	1,031	1,048	1,016	48	49	48	285,700	315	109	
14-Dec	197	209	184	706	720	693	1,034	1,053	1,017	48	50	48	283,791	309	109	
15-Dec	187	220	0	668	736	161	1,024	1,050	985	48	50	46	269,927	285	108	
16-Dec	68	158	0	335	608	97	962	1,018	900	44	48	39	98,228	383	104	
17-Dec	29	63	0	237	387	93	889	940	871	38	42	37	41,757	511	94	
18-Dec	65	215	0	330	669	97	958	1,057	902	43	50	40	93,979	372	107	
19-Dec	95	223	0	361	692	63	973	1,087	911	45	52	40	136,840	300	104	
20-Dec	185	234	27	628	744	250	1,053	1,100	920	50	53	41	265,755	339	113	
21-Dec	209	218	175	706	727	654	1,096	1,114	1,066	52	53	51	300,677	371	116	
22-Dec	192	217	133	691	726	565	1,095	1,118	1,072	52	53	51	276,699	349	115	
23-Dec	215	235	133	732	768	567	1,085	1,106	1,060	52	53	50	309,361	334	115	
24-Dec	222	235	204	762	772	734	1,102	1,107	1,088	53	53	52	319,215	316	116	
25-Dec	226	236	27	773	789	328	1,119	1,135	1,102	54	54	53	325,553	329	118	
26-Dec	221	233	192	754	777	708	1,084	1,111	1,016	52	54	48	317,693	262	115	
27-Dec	223	239	19	755	783	228	1,104	1,110	1,079	54	54	53	321,175	319	117	
28-Dec	226	239	27	770	792	357	1,097	1,113	1,080	53	54	53	325,030	294	116	
29-Dec	200	241	19	697	791	261	1,102	1,186	966	51	55	44	288,001	300	114	
30-Dec	228	240	139	766	795	559	1,202	1,219	1,153	52	53	50	328,141	366	118	
31-Dec	229	235	224	782	787	778	1,195	1,209	1,181	52	53	52	329,365	400	118	
Summary	171	245	0	608	795	63	1036	1219	852	48	55	36	7,616,766	262	109	

**ATTACHMENT IV**  
**DEEPWELL MONTHLY REPORT DATA Part II(D)(1)(c)**  
 December, 2006

**WELL #1**

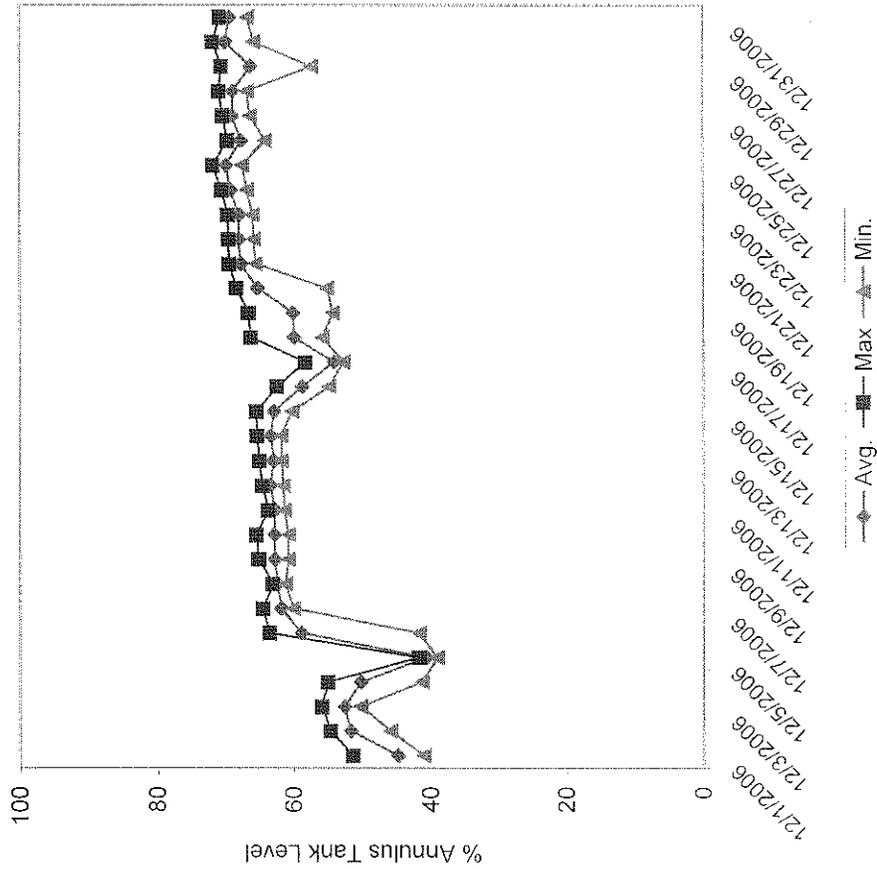


**WELL #2**



**ATTACHMENT V**  
**DEEPWELL MONTHLY REPORT DATA Part II(D)(1)(c)**  
 December, 2006

**WELL #1**



**WELL #2**

